

REMARKS / DISCUSSION OF ISSUES

The present amendment is submitted in response to the Office Action mailed November 14, 2008. Claims 1-18 remain in this application. Claims 6, 8 and 10 have been amended. New Claims 11-18 have been added. In view of the remarks to follow, reconsideration and allowance of this application are respectfully requested.

Interview Summary

Applicants appreciate the courtesy granted to Applicant's attorney, Michael A. Scaturro (Reg. No. 51,356), during a telephonic interview conducted on Thursday, January 8, 2009. During the telephonic interview, Claim 1 was discussed with particular reference to two proposed amendments. No agreement was reached with regard to either proposed amendment.

Allowable Subject Matter

Applicant wishes to thank the Examiner for indicating that Claim 1-5 are allowable.

Rejections under 35 U.S.C. §103)

In the Office Action, Claims 6-10 stand rejected under 35 U.S.C. §103(a) over U.S. Patent No. 6,373,799 ("Ono"). Applicants respectfully traverse the rejection.

The cited portions of Ono fail to disclose or suggest, "*wherein said power supply is directly and only available as soon as the record carrier is rotated at a predetermined minimum speed*", as recited in claim 6 (Emphasis Added). In contrast to claim 6, Ono teaches that a memory 3 formed of an IC chip needs power, which is supplied from the power supply circuit 28 to the memory 3 by way of the communication circuit 27. The signals sent to the communication circuit 27 for control information transfer and power supply have their transmission band set outside of the main information recording band or the reproduction band in the case of the multiple-speed reproduction of the main information so that the signals do not affect the recording and reproduction of the main information. *See* Ono, col. 6, lines 47-65.

Ono further teaches that in the case of the inner disposition of the memory on the disk, while the disk is mounted on a disc-shaped turntable for high-speed recording and reproduction, the electromagnetic coupling means for control information transfer and power supply among the devices associated with the memory are located at least partially at positions outer than the contact face 5 of the disk to the turntable so that the transmitter-receiver and receiver as the electromagnetic coupling means are not precluded for their signal transaction by the turntable. *See Ono, col. 3, lines 40-50.*

It is respectfully submitted that transferring control information signals and power signals in a band other than a main information recording band to facilitate multiple-speed reproduction of main information is different from a power supply being available as soon as a record carrier is rotated at a predetermined minimum speed.

It is further respectfully submitted that teaching the disposition of a memory with regard to high-speed recording is different from a power supply being available as soon as a record carrier is rotated at a predetermined minimum speed.

It should be appreciated that by making the power supply directly and only available as soon as the record carrier is rotated at a predetermined minimum speed provides the advantage that it is more difficult to access the integrated circuit for a malicious user trying to tamper with the content of the integrated circuit, e.g. security measures or access rights, because the record carrier has to be rotating and access to the integrated circuit can be controlled in the device. A further advantage of making the power supply available as soon as a record carrier is rotated at a predetermined minimum speed is that it prevents the integrated circuit from being driven at too low or too high a supply power level.

Thus, Ono does not disclose or suggest “*wherein said flux has a dimension in the direction of said movement of the integrated circuit of the same order of magnitude as the dimension of the integrated circuit; and wherein said power supply is directly and only available as soon as the record carrier is rotated at a predetermined minimum speed*”, as recited in claim 6 (Emphasis Added).

Further, the cited portions of Ono do not disclose or suggest, “*wherein said flux has a dimension in the direction of said movement of the integrated circuit of the same order of magnitude as the dimension of the integrated circuit*”, as recited in claim 6 (Emphasis Added).

In contrast to claim 6, Ono only teaches that for insuring a large inductance, it is necessary to build the electromagnetic coupling means into the IC chip. And in some cases where a large inductance is not necessary, Ono teaches that the electromagnetic coupling means are disposed in an annular or one or multi-spiral form, as shown in Fig. 4. However, it is respectfully submitted that irrespective of whether the electromagnetic coupling means is localized (built into the IC chip) or otherwise dispersed throughout spirals of the record carrier, Ono does not teach that the electromagnetic coupling means has certain dimensions and that the flux is of the same order as the dimension of the integrated circuit. Thus, Ono does not disclose or suggest “*wherein said flux has a dimension in the direction of said movement of the integrated circuit of the same order of magnitude as the dimension of the integrated circuit*”, as recited in claim 6 (Emphasis Added). Hence, claim 6 is allowable.

Claim 7 depends from claim 6, and is therefore allowable at least by virtue of its dependence from allowable claim 6.

Independent Claim 8 recites similar subject matter as Independent Claim 6 and therefore contains the limitations of Claim 6. Hence, for at least the same reasons given for Claim 6, Claim 8 is believed to recite statutory subject matter under 35 USC 103(a).

Claims 9-10 depend from claim 8, and are therefore allowable at least by virtue of their dependence from allowable claim 8.

New Claims

New claims 11-16 are allowable at least by virtue of their dependence from claim 1. New claim 17 is allowable at least by virtue of its dependence from claim 6. New claim 18 is allowable at least by virtue of its dependence from claim 8. In addition, claims 11-18 recite additional elements not disclosed or suggested by the above-cited references.

For example, Claims 11, 17 and 18 recite that the power supply coil has a number of windings integrated on the metal layers of the integrated circuit. Claim 12 recites that the power supply coil is integrated within the integrated circuit. Claims 13-16 recite transmitting means for transmitting additional information such as information for scrambling and descrambling.

Conclusion

In view of the foregoing amendments and remarks, it is respectfully submitted that all claims presently pending in the application, namely, Claims 1-18 are believed to be in condition for allowance and patentably distinguishable over the art of record.

If the Examiner should have any questions concerning this communication or feels that an interview would be helpful, the Examiner is requested to call Mike Belk, Esq., Intellectual Property Counsel, Philips Electronics North America, at 914-945-6000.

Respectfully submitted,



Michael A. Scaturro
Reg. No. 51,356
Attorney for Applicant

Mailing Address:
Intellectual Property Counsel
Philips Electronics North America Corp.
P.O. Box 3001
345 Scarborough Road
Briarcliff Manor, New York 10510-8001